



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
[www.uspto.gov](http://www.uspto.gov)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/840,340	04/23/2001	Anne Malin	1534	3475
28005	7590	07/09/2004	EXAMINER	
SPRINT 6391 SPRINT PARKWAY KSOPHT0101-Z2100 OVERLAND PARK, KS 66251-2100			DUONG, FRANK	
			ART UNIT	PAPER NUMBER
			2666	

DATE MAILED: 07/09/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	09/840,340	MALIN ET AL.	
	Examiner Frank Duong	Art Unit 2666	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on 23 April 2001.
- 2a) This action is FINAL.                    2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 1-10 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_\_ is/are allowed.
- 6) Claim(s) 1-10 is/are rejected.
- 7) Claim(s) \_\_\_\_\_ is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All    b) Some \* c) None of:
1. Certified copies of the priority documents have been received.
  2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) Notice of Informal Patent Application (PTO-152)
- 6) Other: \_\_\_\_\_

## DETAILED ACTION

1. This Office Action is a response to the communication dated 04/23/01. Claims 1-10 are pending in the application.

### ***Claim Objections***

2. Claim 6 is objected to because of the following informalities: As per claim 6, Applicants are required to spell out the acronym "PRL". Appropriate correction is required.

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-10 are rejected under 35 U.S.C. 102(e) as being anticipated by Marran (USP 6,549,770).

Regarding **claim 1**, in accordance with Marran reference entirety, Marran discloses a business logic server (31) for forming priority data structures (*network administration data*), the business logic server (31) (col. 10, line 21 to col. 12, line 64) comprising, in combination (col. 9, lines 8-17 and thereafter):

a memory (27);  
a processing module (17) communicatively coupled to the memory (see *connection between 17 and 27 depicted in Fig. 1*),  
wherein the processing module receives at least one transmission rule and a data download and stores the at least one transmission rule and the data download in the memory (*Fig. 2; block 50*);  
wherein the processing module is programmed to format the at least one transmission rule into at least one priority data structure and stores the priority data structure in the memory (*Fig. 2; block 55*);  
wherein the processing module is programmed to create an input file in the memory and format the data download into the input file (*Fig. 2; blocks 65-70*); and  
wherein the processing module transmits the input file and the at least one priority data structure from the memory to a network logic server (25) (*Fig. 2; blocks 75-90*).

Regarding **claim 2**, in addition to features recited in base claim 1 (see rationales discussed above), Marran further discloses wherein the processing module receives a transaction report from the network logic server, and wherein the transaction report includes a result code (MIN), wherein the processing module extracts the code from the transaction report and stores the code in a log file (*col. 10, lines 43-64 and col. 11, lines 11-45*).

Regarding **claim 3**, in addition to features recited in base claim 1 (see rationales discussed above), Marran further discloses wherein the at least one priority data structure comprises a priority mapping table (*col. 8, line 49*).

Regarding **claim 4**, in addition to features recited in base claim 1 (see rationales discussed above), Marran further discloses wherein the at least one priority data structure comprises an off-peak setting table (*col. 8, line 49*).

Regarding **claim 5**, in addition to features recited in base claim 1 (see rationales discussed above), Marran further discloses wherein the at least one priority data structure comprises a resource allocation table (*col. 8, line 49*).

Regarding **claim 6**, in addition to features recited in base claim 1 (see rationales discussed above), Marran further discloses wherein the at least one priority data structure includes a priority mapping table, an off-peak setting table, and a resource allocation table (*col. 8, line 49*).

Regarding **claim 7**, in addition to features recited in base claim 1 (see rationales discussed above), Marran further discloses wherein the data download comprises Preferred Roaming List (PRL) (*col. 13, lines 52-53*).

Regarding **claim 8**, in accordance with Marran reference entirely, Marran teaches a method of forming at least one priority data structure and an input file (*complex administrative data*), the method (Fig. 2) (*col. 10, line 21 to col. 12, line 64*) comprising:

receiving at least one transmission rule (50);

establishing in a data storage medium at least one priority data structure that defines the at least one transmission rule (55);

receiving a data download (60);

establishing in a data storage medium an input file (65);

formatting the data download into the input file (70); and  
transmitting the input file and the at least one priority data structure to a network logic server (75-90).

Regarding **claim 9**, in addition to features recited in base claim 8 (see rationales discussed above), Marran further teaches:

receiving a transaction report from the network logic server (25) (65);  
examining the transaction report for a result code (MIN) (70); and  
placing the result code in a log file (80) (*col. 11, lines 11-45*).

(note: *claim 10 calls for an system/apparatus comprises elements performing the claimed method steps of claim 8. Thus, same rationales of rejection applied to claim 1 are applied as discussed above*)

Regarding **claim 10**, in accordance with Marran reference entirety, Marran shows business logic server (31) comprising, in combination (*col. 9, lines 8-17 and thereafter*):

means for receiving at least one transmission rule (*corresponding to block 50 of Fig. 2*);

means for establishing in a data storage medium at least one priority data structure that defines the at least one transmission rule (*corresponding to block 55 of Fig. 2*);

means for receiving a data download (*corresponding to block 60 of Fig. 2*);

means for establishing in a data storage medium an input file (*corresponding to block 65 of Fig. 2*);

means for formatting the data download into the input file(*corresponding to block 70 of Fig. 2*); and

means for transmitting the input file and the at least one priority data structure to a network logic server (25) (*corresponding to blocks 75-90 of Fig. 2*).

### ***Conclusion***

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Coursey (USP 5,950,130).

Nodoushani et al (USP 6,144,849).

Shah (USP 6,047,071).

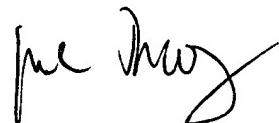
Leung et al (USP 6,195,546).

Gellens, Wireless Device Configuration (OTASP/OTAPA) via ACAP, RFC 2636, pages 1-32, 1999.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Frank Duong whose telephone number is (703) 308-5428. The examiner can normally be reached on 7:00AM-3:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Seema Rao can be reached on (703) 308-5463. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Frank Duong  
Examiner  
Art Unit 2666

July 1, 2004